

ABSTRACT

A reliability buffering technique applies a reliability time buffer to a project planning model having activities. The reliability time buffer is placed before an associated downstream activity to provide a buffered downstream activity. The reliability buffer is provided having a time duration value and an activity time precedence relationship, including a lead or lag value, with at least one upstream activity. The time duration value and the activity time precedence relationship are generated so as to reduce the overall schedule delay resulting from possible time delays that occur in the one or more upstream activities and to increase the overall project schedule advance from possible schedule advances in the one or more upstream activities.

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